

JFW

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Kazuhiro ONO et al.

Appl. No. : 10/535,336

(U.S. National Phase of PCT/JP2003/014709)

Group Art Unit : 1615

I.A. Filed : November 19, 2003

Examiner : Not Yet Assigned

For : AGENT FOR DISSOLVING DENTAL CALCULI AND DENTAL  
CARIES

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop AMENDMENT  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§1.97-1.98, Applicants hereby bring the following information to the attention of the Examiner in charge of the above-identified application, which includes information cited and discussed in the specification, the International Search Report, and the International Preliminary Examination Report issued in connection with International Patent Application No. PCT/JP2003/014709, of which the present application is the U.S. National Stage Application.

Copies of the International Search Report (in English and Japanese) and the International Preliminary Examination Report (in Japanese) were enclosed

with the papers when entering the U.S. National Stage on May 18, 2005. The International Preliminary Examination Report (in English) is submitted herewith, and the Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein. The following is a list of the documents cited in the above-noted documents:

- (1) Japanese Patent Publication No. 2002-020255, together with an English language abstract of the same;
- (2) Japanese Patent Publication No. HEI 09-110687, together with an English language abstract of the same;
- (3) Japanese Patent Publication No. HEI 09-295942, together with an English language abstract of the same;
- (4) International Patent Publication No. WO 01/72144;
- (5) Japanese Laid-open Patent Publication No. 2002-047196, together with an English language abstract of the same;
- (6) Japanese Laid-open Patent Publication No. HEI 10-017447, together with an English language abstract of the same;
- (7) Japanese Patent No. HEI 7-53653, together with an English language abstract of patent family member Japanese Laid-open Patent Publication No. SHO 62-292714. Applicants note that this document is cited on page 2 of the specification of the present application;

- (8) Japanese Patent No. 2728306, together with patent family member International Patent Publication No. WO 89/05135. Applicants note that this document is cited on page 2 of the specification of the present application;
- (9) NORDBO et al., "Desorption of Salivary Proteins from Hydroxyapatite by Phytic Acid and Glycerophosphate and the Plaque-Inhibiting Effect of the Two Compounds In Vivo," Journal of Dental Research, Vol. 51, No. 3, pp. 800-811 (1972). Applicants note that this document is cited on page 2 of the specification of the present application; and
- (10) SHINADA et al., Koku Eisei Kaishi (Journal of Dental Health), Vol. 53, No. 4, Subject No. 03-IE0920 (2003). Applicants note that this document is cited on page 6 of the specification of the present application.

Applicants also call to the Examiner's attention the following document:

- (11) U.S. Patent Application Publication No. 2005/0100514.


Further to 37 C.F.R. §1.98, a copy of the U.S. patent application publication is not enclosed herewith. However, if a copy is needed, the Examiner is respectfully requested to contact the undersigned.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign documents are attached hereto and all of the above-noted documents are listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material. However, if an Office Action on the merits has issued and is crossing this statement in the mail, the undersigned authorizes the Commissioner to charge any fee necessary for the consideration of this statement, including any payment under 37 C.F.R. §1.17(p) to Deposit Account No. 19-0089.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,  
Kazuhiro ONO et al.



Bruce H. Bernstein  
Reg. No. 29,027

Stephen M. Roylance  
Reg. No. 31,296

March 29, 2006  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P27943Application No.  
10/535,336

## INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

(Use several sheets if necessary)

Applicant  
Kazuhiro ONO et al.I.A. Filing Date  
November 19, 2003Group  
1615

MAR 29 2006

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2005/	0 1 0 0 5 1 4	05/12/05	SAKAGUCHI et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	2002	- 0 2 0 2 5 5	01/23/02	JAPAN			
	9	- 1 1 0 6 8 7	04/28/97	JAPAN			
	9	- 2 9 5 9 4 2	11/18/97	JAPAN			
	0	1 / 7 2 1 4 4	10/04/01	W.I.P.O.			
	2002	- 0 4 7 1 9 6	02/12/02	JAPAN			
	10	- 0 1 7 4 4 7	01/20/98	JAPAN			
	7	- 0 5 3 6 5 3	12/12/97	JAPAN			
		2 7 2 8 3 0 6	12/12/97	JAPAN			
	8	9 / 0 5 1 3 5	06/15/89	W.I.P.O.			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 2002-020255.
	2	English Language Abstract of JP 9-110687.
	3	English Language Abstract of JP 9-295942.
	4	English Language Abstract of JP 2002-047196.
	5	English Language Abstract of JP 10-017447.
	6	English Language Abstract of JP 62-292714.
	7	NORDBO et al., "Desorption of Salivary Proteins from Hydroxyapatite by Phytic Acid and Glycerophosphate and the Plaque-Inhibiting Effect of the Two Compounds In Vivo," Journal of Dental Research, Vol. 51, No. 3, pp. 800-811 (1972).
	8	SHINADA et al., Koku Eisei Kaishi (Journal of Dental Health), Vol. 53, No. 4, Subject No. 03-IE0920 (2003).

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.